

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

☐ Conceptual Proposal

☒ Final Proposal

Date Oct. 14, 2009

Contract ID 090120-101

Job No. J/I 1040

County Clinton County I-35

Original Bid Cost \$14,616,588.40

Contractor Lock Sand and Gravel Co.

By Jerry Wilson

Designed By MDOT Dist. 1

Phone 816-387-1301

VECP# 09-94 (to be completed by C.O.)

VECP ☐ or PDVECP ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Existing

Changes Reduce Cost

1. Compaction cut
2. Type I Base
3. Permeable Base
4. Edge Drains + splash pads

1. Eliminate Compaction cut
Type I Base
Permeable Base
Drains + pads
2. Install 18" Rock Base
Install Agg. Under drain

2. Estimate of reduction in construction costs.

\$44,237.67

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

No Change

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

Oct. 13, 2009

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

Oct. 15, 2009

(date)

No Change

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

NA

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

I recommend acceptance of this proposal as it will save time & money, utilize existing on-site materials (original PCCP) & provide for an equal or better final product.

Ronald Anderson

Submitted By Resident Engineer

10-16-09

Date

Comments:

I concur with RE's comments



Approval
Recommended

[Signature]

District Engineer

10-21-09

Date



Rejection
Recommended

Comments:



Approval
Recommended



Rejection
Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:



Approval



Rejection

State Construction and Materials Engineer

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA
Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

I recommend acceptance of this proposal as it will save time & money, utilize existing on-site materials (original pccp) & provide for an equal or better final product.

Donald S. Smith
Submitted By Resident Engineer

10-16-09
Date

Comments:

☐ Approval
Recommended

☐ Rejection
Recommended

District Engineer

Date

Comments:

☒ Approval
Recommended

☐ Rejection
Recommended

Proops Banerji
Federal Highway Administration
Required for FHWA Full Oversight Projects

10/29/09
Date

Comments:

☒ Approval

☐ Rejection

David D. Adams
State Construction and Materials Engineer

11-5-09
Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA
Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

THERE IS NO SUBSTITUTE FOR QUALITY



LOCH SAND AND CONSTRUCTION COMPANY
Heavy-Highway Construction / Ready Mix Concrete

26866 238th Street
P.O. Box 647
Maryville, Missouri 64468
Phone: (660) 562-3100
Fax: (660) 562-2481

11020 N.W. Ambassador Drive
Suite 130
Kansas City, Missouri 64153
Phone: (816) 880-9262
Fax: (816) 880-9265

October 14, 2009

Mr. David Scrivens, P.E.
Resident Engineer
Missouri Department of Transportation
1505 N. Harris Street
Cameron, Missouri 64429

Re: Contract ID: 090120-101
Job No. - J111040
I-35 Clinton County, Missouri
Loch #2954

Dear Sir:

Please find attached my Value Engineering Change Proposal.

As discussed, Loch would eliminate the cut compaction of the existing soil from Sta. 807+91 to Sta. 837+61. In place of cut compaction of the existing soil, Loch would excavate 18" below the bottom of the 10" PCCP paving and place 18" of broken concrete pavement including 3" to 9" of limestone rock from Hunt Martin Quarry, (Stamper), per Section 303 of MoDOT specifications, (Rock Base).

Loch would eliminate the geo-composite edge drains, outlet pipes/splash pads, and install aggregate underdrain per attached MoDOT special sheet 1, at 250 lf. intervals.

This proposal is inclusive of Ramp 4 construction.

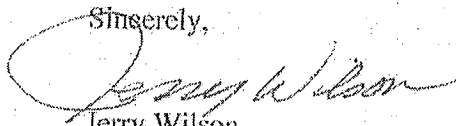
A cost savings of \$44,237.67 would be divided between Loch Construction and MoDOT, per Revised Oct. 13, 2009 attachment.

If you have any questions regarding our request, please feel free to contact me at our KC office (816) 880-9262, or mobile (816) 387-1301.



ASSOCIATED GENERAL CONTRACTORS OF MISSOURI
AMERICAN CONCRETE PAVING ASSOCIATION - MO/KAN
KANSAS CONTRACTOR'S ASSOCIATION
HEAVY CONSTRUCTOR'S ASSOCIATION OF GREATER KANSAS CITY

Sincerely,

A handwritten signature in cursive script, appearing to read "Jerry Wilson". The signature is written in dark ink and is positioned above the printed name.

Jerry Wilson

Loch Sand and Construction Co.

CC: Loch KCI

Loch Maryville

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

The base type under 3000' of new pavement shall be changed from a 4" cement-treated open graded layer on 4" Type 1 aggregate to an 18" rock base with aggregate drains. The rock base is at least as effective as the original base type from both a structural and permeability aspect.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.